
























<During diving>

- Avoid quick ascending, otherwise you may suffer from submarine sickness or a functional disorder in some way. Whenever you ascend in water, carefully keep a safe speed.
- Don't disturb any push buttons or the crown except button  (for knowing the memorized maximum depth) throughout the dive, otherwise the watch may fail in water-resistance.

<After diving>

- After confirming that the crown is screwed down tightly, wash out seawater, mud, sand, etc. sticking to the watch, with fresh water. Then, wipe off water and moisture with a dry soft cloth.
- Neither remove the sensor cover nor pick at it with a sharp-point in order to remove particles of dust, etc. collected in the sensor. If the sensor part is packed with dust, etc., wash it out with fresh water. In case it is difficult to wash out dust, consult the nearest Citizen Service Center about the trouble.

CAUTION Regarding diving at high altitudes or in fresh water

- If you intend to use this watch for diving in a high place or in fresh water, be sure to have a special education in safe diving beforehand.
- Don't use the depth meter function of this watch in a high place 4,000 m (13,120 ft) or more above sea level, because the watch gives incorrect measurement of depth in such a place.
- This watch indicates a depth based on the specific gravity (1.025) of seawater. Therefore, if the watch is used in fresh water, the real depth is 2.5% less than the indication of the watch.
Example: 20 m (65 ft) (indicated depth) $\times 1.025 = 20.5$ m (67 ft) (real depth)

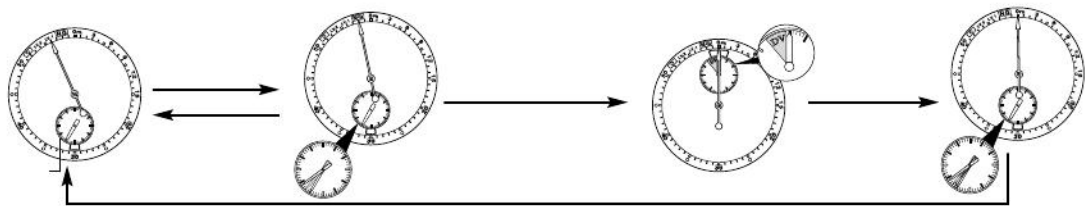
When the watch is shifted to the diving mode, the pressure sensor regards the ambient pressure as that on the sea level (0 m/0 ft in depth or altitude). If the watch is shifted to the diving mode in a high place, it regards the pressure on the surface of the water as that on the sea level (namely 0 m/0 ft in depth/altitude). In short, the watch always regards the surface of the water as the sea level (0 m/0 ft) except in a place 4,000 m (13,120 ft) or more above sea level. Therefore, you are advised not to use the depth meter function of this watch in a high place 4,000 m (13,120 ft) or more above sea level for the reason that the watch gives incorrect measurement of depth in such a place as mentioned previously.

3. NAMES OF PARTS

Collate the following table with the watch diagram on the first page.

Name	Time mode	Diving mode	Chronograph mode
Ⓐ: Button Ⓐ	To be pressed for selecting a mode		
Ⓑ: Button Ⓑ	To be pressed for showing the maximum depth left in the memory or for actuating the chronograph.		
1 : Function hand	Indicates charging level.	Indicates depth.	Indicates second(s).
2 : Mode hand	Stops at DV position.	Stops at DV position.	Indicates minute(s).
3 : Hour hand	Always indicates the time (hour).		
4 : Minute hand	Always indicates the time (minute).		
5 : Second hand	Always indicates the time (second).		
6 : 24-hour hand	Always indicates the time in the 24-hour system synchronized with the hour hand.		
7 : Calendar	Always indicates the date.		
8 : Crown	To be used for adjusting the time or date.		

- a: Charge levels Charge level of the battery (battery power) is indicated as follows (LV.1, LV.2, NG) by the function hand. These guidelines indicate whether the depth meter function is usable or not.
- b: Overzone mark When the diving depth exceeds 50 meters (125 feet) or there is something abnormal in the depth meter function, the function hand points to the overzone mark.
- c: Depth meter scale The diving depth is indicated by the function hand on this depth meter scale.
- d: Pressure sensor Measures the depth by sensing the water pressure.
- e: Water sensor When the water sensor gets wet, the watch is automatically shifted to the diving mode.
- f: Rotating bezel The diver can know the elapsed time of diving by using this rotating bezel.
- g: Solar cell Electric energy necessary for running the watch is generated by this solar cell when it is exposed to enough light for charging the battery.







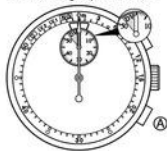




7. SWITCHING BETWEEN MODES

- Each time button **A** is pressed for two seconds, the mode is switched from the time mode to the chronograph mode and vice versa.

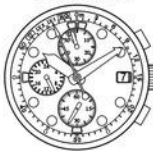
<Chronograph mode>



Function hand: "0" position
Mode hand: "0" position

Press button **A** continuously for 2 seconds.

<Time mode>

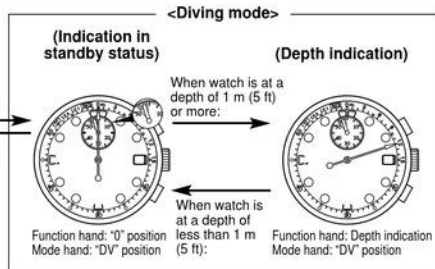


Function hand: "Charge level index" position
Mode hand: "DV" position

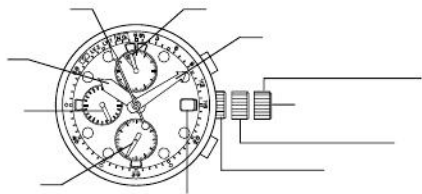
When the water

sensor gets wet:
When button **A** is pressed for 2 seconds as function hand indicates "0 m" (0 ft) in depth, or function hand

continuously points at "0 m" (0 ft) in depth for 10 seconds after depth measurement is complete:



- If the water sensor gets wet while the watch is in time mode, the mode is switched over to the diving mode. However, this mode shift is not performed when the function hand indicates "NG" on the charge level index.

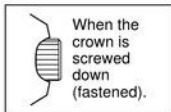
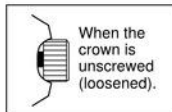


Note: If date is adjusted when the watch shows a time between 9:00 pm and 1:00 am, the watch may not advance the date indication the next morning.

<Note on operation of the crown>

The crown of this watch is designed to be screwed down to secure the water-resistance of the watch.

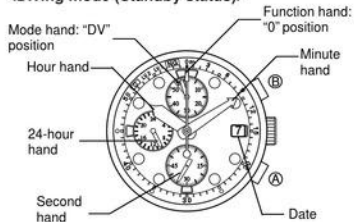
- For pulling out the crown for adjustment, unscrew it to get it loose first.
- After adjustment with the crown, press it in to the normal position and then screw it down without fail.
- Do not operate any button while the crown is being pulled out. If a button is operated in such the status, it may cause some change in the indication or disorder of some hand(s).
- Do not pull out or turn the crown when the watch gets wet or is in the water. Otherwise, the watch loses water-resistance and the inside of the watch gets wet.



9. DIVING MODE

When the watch is immersed in the water, while it is set in the Time mode and the battery is charged enough for diving, the water sensor senses the water and switches the watch to Diving mode to measure the depth. In the Diving mode, the watch automatically memorizes the maximum depth of the last dive and the user can recall it after the dive.

<Diving mode (Standby status)>



* If the function hand and mode hand don't point to their respectively specified positions (mode hand: "DV" position, function hand: "0" position) when the watch enters the Diving mode (standby status), adjust the hand positions referring to "11. MEASURES AGAINST POSSIBLE PROBLEMS".

<Depth indication>

Indication range: 0 to 50 m (0 to 125 ft) deep (measured every second)
Indication unit: 1 m/5 ft (Decimals of five and above in the first decimal place are rounded up and anything under five in the first decimal place is rounded down.
Depth less than 1 m/5 ft is indicated as 0 m/0 ft.)

<Manner to read depth indication>

When the watch reaches the depth of 1 m/5 ft or more in diving, it starts measuring the depth. In diving, the indication by the function hand represents the depth.

- When the depth is less than 1 m/5 ft, the function hand indicates 0 m/0 ft.
- When the depth exceeds 50 m (125 ft), the function hand stops at the overzone mark (52-seconds position) to show that the depth is out of the indication range. As the diver ascends in the water and the depth is less than 50 m (125 ft), the watch again indicates the depth.

<How to cancel the Diving mode>

- (1) Press button **(A)** for 2 seconds after diving or in the water where it is less than 1 m (5 ft) deep (depth indication: 0 m/0 ft). The Diving mode is canceled and the watch returns to the Time mode.
- (2) When the watch is left for 10 minutes after diving or in the water where it is less than 1 m (5 ft) deep (depth indication: 0 m/0 ft), the watch automatically returns to the Time mode with cancellation of the Diving mode. If the watch is again immersed in the water 1 m (5 ft) or more deep within 10 minutes after the last dive, the new dive is regarded as a continuation of the last dive and the watch continues to measure depth.

* Wet detection error indication

If the diving standby mode (water sensor is in action) continues for 1 hour or more, the function hand points at the overzone mark.

If the watch remains in this status for a long time, refer to "11. MEASURES AGAINST POSSIBLE PROBLEMS."

<How to recall the memorized maximum depth>

- (1) Press button **(B)** in the Time mode or Diving mode (when depth indication is 0 m/0 ft). The function hand indicates the memorized maximum depth.
- (2) To cancel the maximum depth indication, press button **(B)** again.

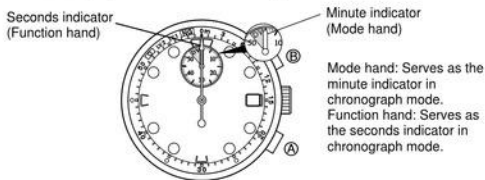
- * Indication of the memorized maximum depth continues for 30 seconds and is automatically canceled after that.
- * The memory of the maximum depth of the last dive is held until the watch is used in the next dive.
- * If the maximum depth in diving is less than 1 m (5 ft), it is not memorized. On the other hand, if the maximum depth exceeds 50 m (125 ft), it is memorized as an overzone depth.
- * When the watch is used in diving for the first time, it occasionally shows data stored during inspection prior to shipment.



10. CHRONOGRAPH MODE

The chronograph function enables this watch to measure time in units of 1 second for a maximum of 49 minutes 59 seconds. When it has reached 50 minutes, since a time measurement was started, the chronograph stops measuring time and the hands move to the reset position.

<Chronograph indication — Reset position —>



- * If the watch is left in reset status in the chronograph mode for 3 minutes, it automatically switches to the Time mode.

<How to measure time>

- (1) In the Time mode, press and hold button (A) for 2 seconds or more to switch the watch to the Chronograph mode. As a result, both the function hand and mode hand quickly go to their respective "0" positions and then stop.
- (2) Each time button (B) is pressed, both the hands start and stop alternately.
- (3) If button (A) is pressed while both the hands are stopped, the chronograph switches to the reset status.



- (A) : Press the button (A).
(B) : Press the button (B).

- * The watch cannot be switched to the Chronograph mode from the Diving mode.
- * If the function hand or/and mode hand do not reset to their respective "0" positions when the watch enters the Chronograph mode or the chronograph is reset, adjust the hand(s) to the "0" position referring to "11. MEASURES AGAINST POSSIBLE PROBLEMS".
- * The mode cannot be changed while the time is being measured in the Chronograph mode. If the mode is changed while in the stop state of the Chronograph mode, then indication is cleared.

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● **The watch does not switch to the Time mode from the Diving mode (depth indication mode).**

When the user climbs to a high place or is on a flight, the watch may unexpectedly be shifted to the Diving mode because of a sharp change in the atmospheric pressure (pressure change equivalent to the depth of 1 m/5 ft). If it occurs, the watch may fail to switch from the Diving mode after the user goes back to the ground level, because the depth meter function didn't reset the depth indication to "0 m (0 ft)". Besides the aforementioned case, the watch may enter the Diving mode because the water sensor is activated by sweat or other moisture.

If the depth indication is less than 4 m (15 ft), press button **A** for 2 seconds or more to switch to the Time mode. If the depth indication is more than 4 m (15 ft), adjust the watch according to "13. ALL RESET/ADJUSTING HAND POSITION".

● **The function hand continues to indicate the overzone mark.**

If the water sensor gets dirty or wet, it is activated even when the watch is not wet and the wet detection error indication (the function hand points to the overzone mark) appears.

In case the watch falls into this status, carefully clean the water sensor part and wipe out moisture completely.

* If careful cleaning results in failure in recovering the watch from the above-mentioned status, it is possible that the pressure sensor is faulty. In that case, immediately stop using the watch and consult with the store where you purchased the watch or the nearest Citizen Service Center.

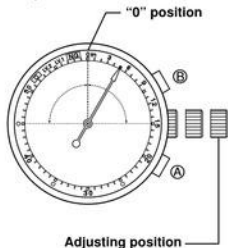
● **The watch malfunctions otherwise or shows abnormal reading.**

If a strong shock or static electricity is given to the watch, the watch may come into abnormal running that is out of explanation of this instruction manual.

If the watch falls into such a status, adjust it following the instructions of "13. ALL RESET/ADJUSTING HAND POSITION".

12. SETTING FUNCTION HAND AT "0" POSITION

Within ± 15 graduations before/after the "0" point.



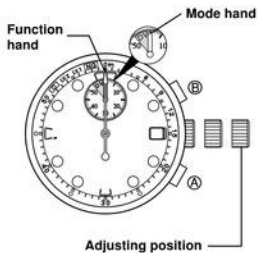
- (1) Set the watch to the Time mode or Chronograph mode.
Turn the crown to loosen it and pull it out to the second click stop position.
- (2) Press button (A) or (B) to set the function hand to the "0" position.
- (3) Press the crown in to the normal position and turn it until it is tightly screwed against the case.

- * The aforementioned procedure is effectual only when the hand is located within ± 15 graduations before/after the "0" point. When the hand is located outside the adjustable range, correct the "0" position of the hand referring to "13. ALL RESET/ADJUSTING HAND POSITION".
- * If the watch has been left without any operation for 3 minutes or longer as the crown is pulled to the second click stop position, the function hand does not move regardless of button operation. If the watch falls into such the condition, press the crown into the normal position and make a fresh start to adjust the hand position.
- * Before unscrewing and pulling out the crown, make sure that the crown is not wet.

Automatic time correction function

If it takes 4 minutes or less to adjust the position of the function hand in the Chronograph mode, the watch automatically sets the hour, minute and second hands for the correct time immediately after the adjustment by the automatic time correction function. Therefore, if adjustment is finished within 4 minutes, the watch has no need of manual time correction. However, if the crown is turned during adjustment, the watch will not indicating a correct time. If adjustment is not complete within 4 minutes, you will need to not only adjust the "0" position of the second indicator (function hand) in the Chronograph mode but also to set the correct time.

13. ALL RESET/ADJUSTING HAND POSITION



- (1) Unscrew the crown and pull it out to the second click stop position.
- (2) Press buttons **A** and **B** simultaneously. If the function hand moves slightly, the watch is reset in whole.
- (3) Press button **A** or **B** to set the function hand and mode hand to their respective "0" positions.
Button **A**: For adjustment counter-clockwise.
Button **B**: For adjustment clockwise.
* The function hand and the mode hand move interlocking with each other.
- (4) Correct the time indication by turning the crown. (Refer to "8. ADJUSTING TIME AND DATE (Time mode)".)

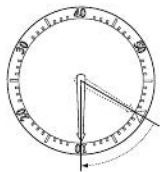
- (5) Press the crown in to the normal position and screw it down tightly against the case.

As the crown is pressed into the normal position, the watch returns to the Time mode and starts running.

* After the watch is reset, the function hand points at "NG" position regardless of remaining battery power. Approximately 1 hour after resetting, the function hand will indicate the charge level. (While the function hand is indicating "NG", the watch cannot be switched to the Diving mode.)


* If the ALL RESET/ADJUSTING HAND POSITION fails in clearing away the trouble, consult with the store where you purchased the watch or the nearest Citizen Service Center about the trouble.

Note that the maximum depth memorized during the last dive is cleared simultaneously during ALL RESET.





CAUTION

- Do not use this watch unless the crown is screwed down into the normal position. Make sure that the crown is tightly screwed down against the case.
- When either the watch or your hand is wet, don't operate any button or the crown, except button , to prevent the watch from getting wet inside and deteriorated in water-resistance.
- If the inside of the watch gets wet or the inside of the glass gets fogged and the watch does not recover from such a condition, immediately ask the nearest Citizen Service Center to overhaul it. If the watch is left in such condition, the inside will get rusty.
- If seawater gets into the watch, put the watch in a case or vinyl bag and immediately ask the nearest Citizen Service Center to overhaul it. If the watch is left with seawater inside, there is a danger that the internal pressure of the watch will increase and watch parts (glass, crown, buttons, etc.) will be blown away by the pressure.

CAUTION — For repairing the watch —

- This watch must be repaired by an authorized Citizen Service Center only.

CAUTION — Note on the luminous dial —

- The luminous paint used for the dial of this watch is mainly made from light accumulating materials, which are harmless to the human body and the environment since it contains no toxic substance such as a radioactive material.
This luminous paint accumulates light of the sun and indoor lighting and emits light in a dark place. However, its luminance gradually fades because it discharges accumulated light. The duration that the luminous paint emits light differs depending on the illuminance and distance from the light source when it accumulates light.
If the luminous paint accumulates insufficient light, it will not emit light in a dark place, or even if it emits light, its luminance rapidly fades. Therefore, carefully expose the luminous dial to light so that the luminous paint accumulates sufficient light especially before diving. It is recommended that you use an underwater flashlight to apply light to the watch during diving.



